

**threaded connectors made of gunmetal or silicon
bronze**

Submittal Package



Алматы (727)345-47-04
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Курган (3522)50-90-47
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

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Беларусь +375)257-127-884

Узбекистан +998(71)205-18-59

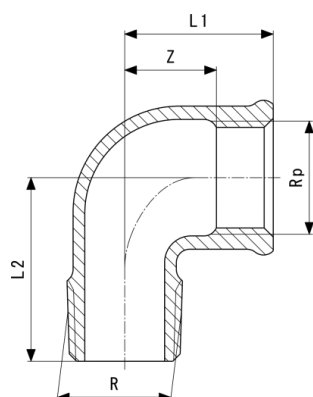
Киргизия +996(312)96-26-47

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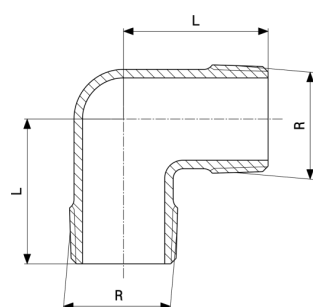
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Z dimensions



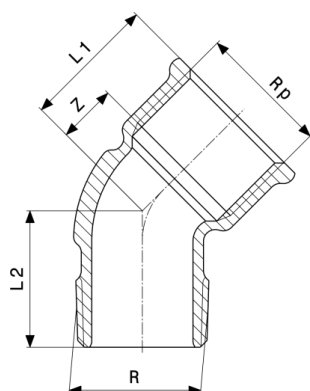
Elbow 90°
- gunmetal or silicon bronze
Model 3092

Article	R	Rp	Z	L1	L2
318 000	¼	¼	10	18	29
281 748	⅜	⅜	17	29	32
264 024	½	½	17	28	34
264 000	¾	¾	20	30	40
264 048	1	1	20	32	47
264 109	1¼	1¼	29	43	51
264 123	1½	1½	39	60	59
264 147	2	2	32	58	79
321 710	2½	2½	45	65	90
650 704	3	3	61	82	100



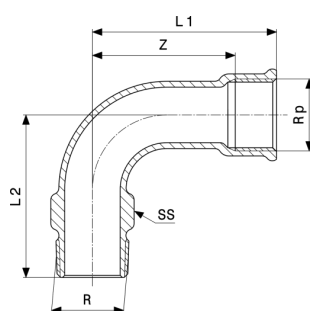
Elbow 90°
- gunmetal or silicon bronze
Model 3091

Article	R	L
317 966	⅜	29
317 973	½	32
317 980	¾	40
317 997	1	45



Elbow 45°
- gunmetal or silicon bronze
Model 3121

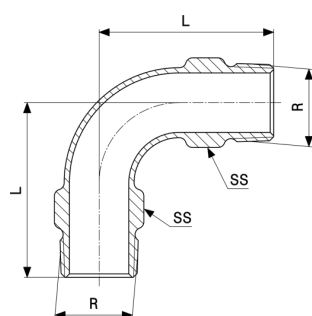
Article	R	Rp	Z	L1	L2
281 755	$\frac{3}{8}$	$\frac{3}{8}$	10	22	23
264 208	$\frac{1}{2}$	$\frac{1}{2}$	8	23	31
264 185	$\frac{3}{4}$	$\frac{3}{4}$	13	30	31
264 161	1	1	15	34	35
448 271	$1\frac{1}{4}$	$1\frac{1}{4}$	24	45	40
448 288	$1\frac{1}{2}$	$1\frac{1}{2}$	26	47	45
650 711	2	2	26	52	56



Elbow 90°
- gunmetal or silicon bronze
Model 3001

Article	R	Rp	Z	L1	L2	SS
294 571	1	1	66	85	75	36
294 595	$1\frac{1}{4}$	$1\frac{1}{4}$	84	105	95	44
294 618	$1\frac{1}{2}$	$1\frac{1}{2}$	84	105	105	51

SS = spanner size

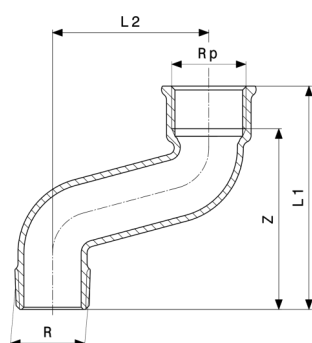


Elbow 90°
- gunmetal or silicon bronze
Model 3003

Article	R	L	SS
294 632*	1	75	36
294 656*	1¼	95	44

SS = spanner size

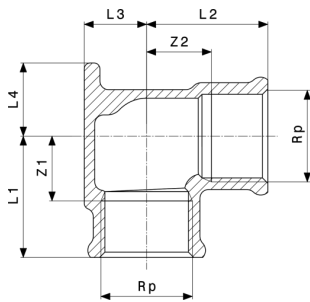
* = Discontinued, limited availability



S-elbow
- gunmetal or silicon bronze
Model 3004

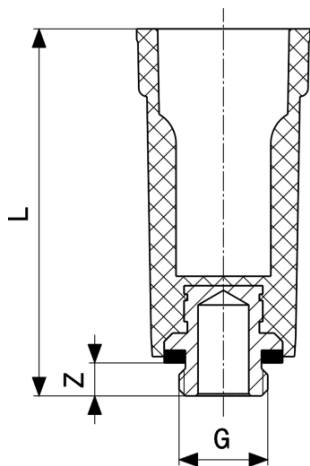
Article	R	Rp	Z	L1	L2
296 667	1	1	81	100	70
296 643*	1¼	1¼	94	115	80

* = Discontinued, limited availability



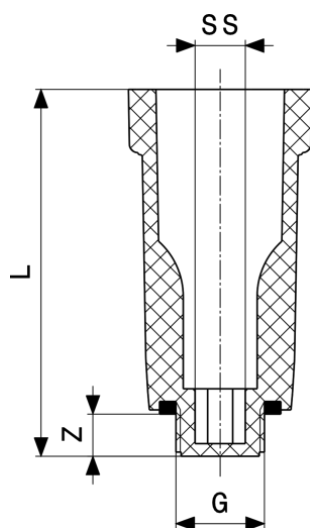
Wall plate
- gunmetal or silicon bronze
Model 3471

Article	Rp	Z1	Z2	L1	L2	L3	L4
259 778	½	21	16	36	31	14	21
441 449	¾	19	19	35	35	18	21



Pressure test plug
- plastic
Model 1516.113

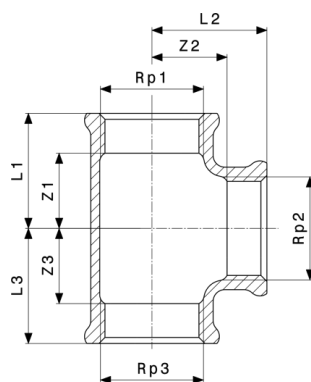
Article	G	Z	L
116 644	⅜	7	85
100 766	½	11	92
107 666	¾	9	87



Pressure test plug
- plastic
Model 1516

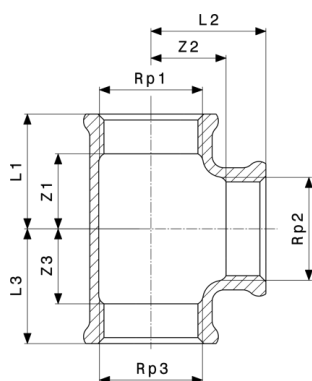
Article	G	Z	L	SS
107 796	$\frac{3}{8}$	10	87	8
100 124	$\frac{1}{2}$	10	87	10
102 746	$\frac{3}{4}$	13	90	14

SS = spanner size



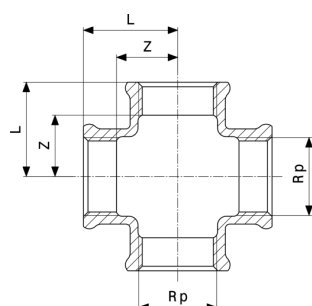
T-piece
- gunmetal or silicon bronze
Model 3130

Article	Rp1	Rp2	Rp3	Z1	Z2	Z3	L1	L2	L3
441 081	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{8}$	15	15	15	23	23	23
318 017	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	11	11	11	18	18	18
281 809	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	15	15	15	22	22	22
264 222	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	16	16	16	26	26	26
264 444	$\frac{1}{2}$	$\frac{3}{8}$	$\frac{1}{2}$	16	18	16	26	26	26
264 246	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{4}$	19	19	19	30	30	30
362 492	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{1}{2}$	19	17	17	29	26	26
264 468	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	18	21	18	29	31	29
362 508	$\frac{3}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	19	19	17	30	30	26



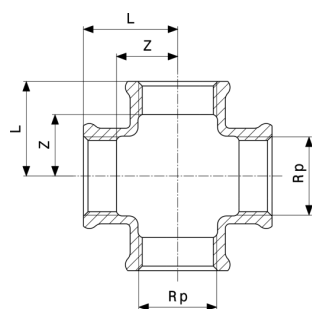
T-piece
- gunmetal or silicon bronze
Model 3130

Article	Rp1	Rp2	Rp3	Z1	Z2	Z3	L1	L2	L3
264 260	1	1	1	24	24	24	36	36	36
362 515	1	½	1	18	21	18	30	30	30
264 420	1	¾	1	17	20	17	36	36	36
362 522	1	1	½	25	25	22	37	37	32
264 284	1¼	1¼	1¼	32	32	32	45	45	45
650 735	1¼	½	1¼	21	27	21	34	36	34
650 742	1¼	¾	1¼	24	29	24	37	39	37
264 307	1½	1½	1½	33	33	33	54	54	54
650 759	1½	½	1½	21	31	21	34	40	34
650 766	1½	¾	1½	24	32	24	37	42	37
264 321	2	2	2	35	35	35	61	61	61
650 773	2	1	2	27	39	27	45	51	45
321 734	2½	2½	2½	38	38	38	69	69	69
321 727	3	3	3	62	62	62	85	85	85



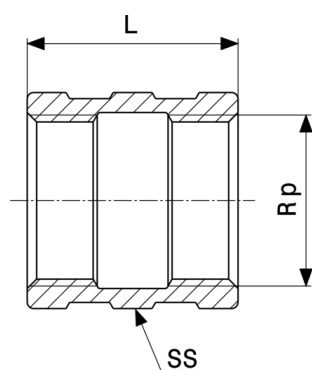
Cross piece
- gunmetal or silicon bronze
Model 3180

Article	Rp	Z	L
318 024	⅝	10	21
320 614	½	12	27
320 621	¾	16	32



Cross piece
- gunmetal or silicon bronze
Model 3180

Article	Rp	Z	L
320 638	1	19	38



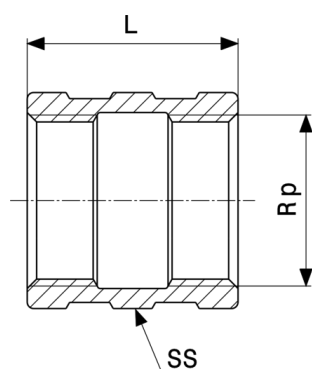
Coupling
- gunmetal or silicon bronze
Model 3270

Article	Rp	CP	L	SS
441 395	1/8		16	14
319 137	1/4		18	17
282 349	3/8		23	21
266 585	1/2		30	26
266 554	3/4		33	32
266 561	1		38	38
266 578	1 1/4		43	50
267 766	1 1/2		43	57
267 780	2		59	70
271 916	2 1/2		61	83
271 930	3		67	103
447 755	3/8	✓	23	21
447 762	1/2	✓	30	26
447 779	3/4	✓	33	32

CP = chrome-plated

SS = spanner size

* = Discontinued, limited availability



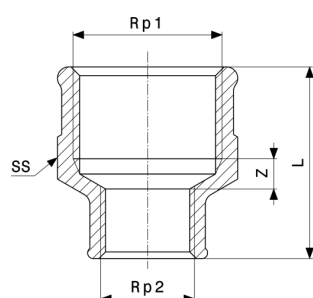
Coupling
- gunmetal or silicon bronze
Model 3270

Article	Rp	CP	L	SS
447 786*	1	✓	38	38

CP = chrome-plated

SS = spanner size

* = Discontinued, limited availability



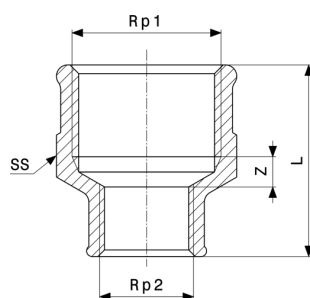
Reducing coupling
- gunmetal or silicon bronze
Model 3240

Article	Rp1	Rp2	CP	Z	L	SS
282 103	3/8	1/4		3	26	21
318 031	1/2	1/4		5	31	26
268 879	1/2	3/8		5	31	26
266 370	3/4	3/8		5	34	31
268 862	3/4	1/2		5	32	31
266 363	1	1/2		13	34	26
266 356	1	3/4		7	36	38
266 431	1 1/4	3/4		8	45	47
266 417	1 1/4	1		6	49	47
271 879	1 1/2	3/4		10	41	53
267 520	1 1/2	1		8	48	53
266 394	1 1/2	1 1/4		5	47	53
271 893	2	1 1/4		2	50	66

CP = chrome-plated

SS = spanner size

* = Discontinued, limited availability



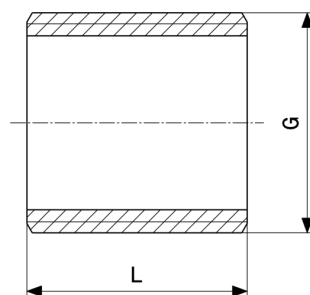
Reducing coupling
- gunmetal or silicon bronze
Model 3240

Article	Rp1	Rp2	CP	Z	L	SS
267 544	2	1½		0	47	66
271 855	2½	2		16	58	83
650 780	3	2½		27	67	
447 809*	¾	¼	✓			
447 816	½	¾	✓	4	31	26
447 823	¾	½	✓	5	32	31
447 830*	1	½	✓	13	34	26
447 847*	1	¾	✓	7	36	38

CP = chrome-plated

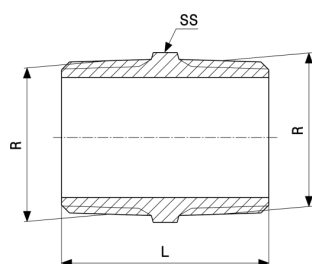
SS = spanner size

* = Discontinued, limited availability



Nipple
- gunmetal or silicon bronze
Model 3531

Article	G	L
322 076	¼	20
322 113	¾	20
322 106	½	22
322 090	¾	26
322 083	1	33
322 144	1¼	37
322 137	1½	42
322 120	2	47



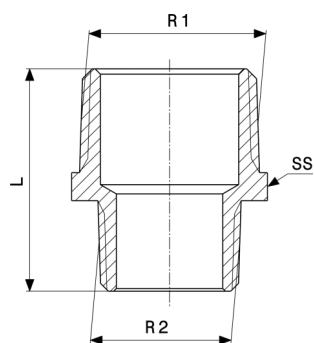
Double nipple
- gunmetal or silicon bronze
Model 3280

Article	R	CP	L	SS
441 401	1/8		18	10
320 416	1/4		20	14
282 356	3/8		29	18
266 592	1/2		37	22
266 615	3/4		40	27
266 608	1		45	34
269 135	1 1/4		53	44
269 111	1 1/2		52	50
269 098	2		65	65
321 741	2 1/2		78	80
321 789	3		85	95
447 885	1/4	✓	20	14
447 892	3/8	✓	29	18
447 908	1/2	✓	37	22
447 915	3/4	✓	40	27
447 922*	1	✓	45	34

CP = chrome-plated

SS = spanner size

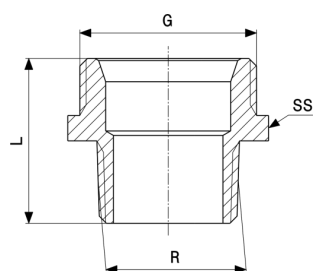
* = Discontinued, limited availability



Reducing nipple
- gunmetal or silicon bronze
Model 3245

Article	R1	R2	L	SS
441 364	¼	⅛	24	14
282 127	⅜	¼	28	18
319 526	½	¼	31	22
266 530	½	⅜	32	22
319 113	¾	⅜	34	27
266 523	¾	½	37	27
320 287	1	½	40	34
266 547	1	¾	42	34
320 119	1¼	¾	46	44
269 173	1¼	1	49	44
321 697	1½	1	52	50
269 159	1½	1¼	54	50
441 371	1¾	1½	47	55
320 270	2	1¼	58	61
321 680	2	1½	59	61
650 803	2½	2	70	76
443 177	3	2½	77	90

SS = spanner size



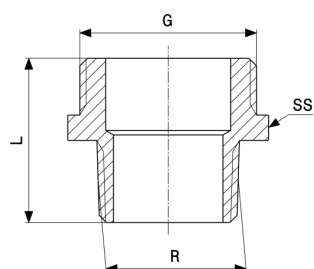
Adapter nipple
- gunmetal or silicon bronze
Model 3246

Article	R	G	CP	L	SS
441 517	$\frac{3}{8}$	$\frac{1}{2}$		25	22
449 339	$\frac{1}{2}$	$\frac{1}{2}$		30	22
441 524	$\frac{1}{2}$	$\frac{3}{4}$		21	27
449 346	$\frac{3}{4}$	$\frac{3}{4}$		33	28
446 765	$\frac{1}{2}$	1		33	34
441 531	$\frac{3}{4}$	1		35	34
446 772	1	1		39	34
446 789	1	$1\frac{1}{4}$		39	44
446 796*	$1\frac{1}{4}$	$1\frac{1}{2}$		45	50
446 802*	$1\frac{1}{2}$	$1\frac{3}{4}$		47	55
441 388*	2	$2\frac{3}{8}$		54	71
448 219	$\frac{3}{8}$	$\frac{1}{2}$	✓	25	22
448 226	$\frac{1}{2}$	$\frac{3}{4}$	✓	21	27
448 233*	$\frac{1}{2}$	1	✓	33	34
448 257*	1	$1\frac{1}{4}$	✓	39	44

CP = chrome-plated

SS = spanner size

* = Discontinued, limited availability



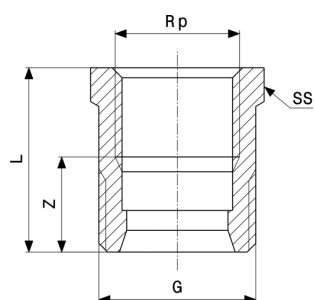
Adapter nipple
- gunmetal or silicon bronze
Model 3247

Article	R	G	CP	L	SS
458 775	⅛	¼		20	14
458 782	¼	⅜		24	18
458 799	¼	½		25	22
458 805	⅜	½		24	27
458 812	⅜	¾		28	27
446 833	½	¾		31	27
458 829	½	1		30	34
458 836	¾	1¼		37	44
446 857	1	1¼		36	44
458 843	1	1½		43	50
446 864	1¼	1½		45	50
458 850	1½	2		48	68
458 867*	¼	⅜	✓		
458 874	⅜	½	✓	24	18
458 881	⅜	¾	✓	28	27
448 189	½	¾	✓	31	27
448 196	¾	1	✓	35	34

CP = chrome-plated

SS = spanner size

* = Discontinued, limited availability



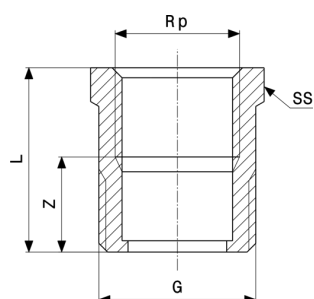
Adapter nipple
- gunmetal or silicon bronze
Model 3243

Article	G	Rp	WIC	Z	L	SS
441 487	3/8	1/4	✓	11	22	18
446 666	1/2	3/8	✓	12	23	22
441 494	3/4	1/2	✓	16	31	27
446 673	1	3/4	✓	16	33	34
449 315*	1	1	✓	21	41	40
446 680	1 1/4	1	✓	15	34	43
446 697*	1 1/2	1 1/4	✓	18	39	50

WIC = with internal cone

SS = spanner size

* = Discontinued, limited availability

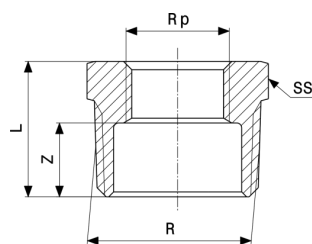


Adapter nipple
- gunmetal or silicon bronze
Model 3244

Article	G	Rp	CP	Z	L	SS
446 734	3/4	1/2		14	29	27
446 741	1	3/4		16	33	34
446 758	1 1/4	1		15	34	43
448 264	3/4	1/2	✓	14	29	27

CP = chrome-plated

SS = spanner size



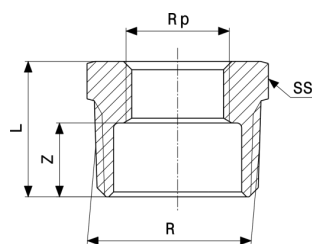
Reducer
- gunmetal or silicon bronze
Model 3241

Article	R	Rp	CP	Z	L	SS
441 104	¼	⅝		9	17	14
441 111	⅜	⅝		10	17	18
281 823	⅜	¼		6	17	18
441 098	½	⅝		14	21	22
319 076	½	¼		11	22	22
266 516	½	⅜		10	22	22
320 409	¾	¼		12	23	27
266 509	¾	⅜		12	23	27
266 493	¾	½		8	23	27
266 455	1	⅜		16	27	34
266 486	1	½		13	28	34
266 479	1	¾		11	28	34
267 582	1¼	½		16	31	43
267 568	1¼	¾		15	31	44
266 462	1¼	1		12	31	44
267 742	1½	½		17	32	50
267 728	1½	¾		15	31	50
267 605	1½	1		12	31	50
267 704	1½	1¼		10	31	50
317 089	2	½		21	36	62
267 681	2	¾		20	36	62
267 667	2	1		18	37	61
267 643	2	1¼		15	37	61
267 629	2	1½		15	37	61
321 772	2½	1		26	45	80
321 765	2½	1¼		20	41	78
321 864	2½	1½		20	41	78
322 533	2½	2		16	41	78

CP = chrome-plated

SS = spanner size

* = Discontinued, limited availability



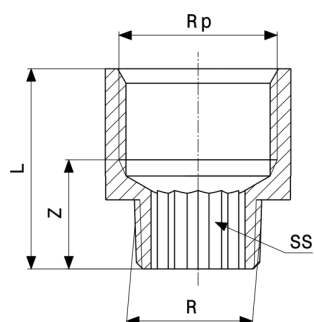
Reducer
- gunmetal or silicon bronze
Model 3241

Article	R	Rp	CP	Z	L	SS
321 840	3	1½		31	52	60
321 857	3	2		28	54	72
321 871	3	2½		20	50	95
321 888	4	3		23	56	13
447 946*	¼	⅛	✓	10	17	14
447 953*	⅜	⅛	✓	10	17	18
447 960	⅜	¼	✓	10	17	18
447 977*	½	⅛	✓	13	22	22
447 984	½	¼	✓	13	22	22
447 991	½	⅜	✓	13	22	22
448 011	¾	⅜	✓	15	23	27
448 028	¾	½	✓	15	23	27
448 042*	1	½	✓	17	28	34
448 059	1	¾	✓	17	28	34
448 073*	1¼	1	✓	19	31	44

CP = chrome-plated

SS = spanner size

* = Discontinued, limited availability



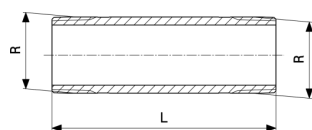
Reducer
- gunmetal or silicon bronze
Model 3242

Article	R	Rp	CP	Z	L	SS
441 128	1/8	1/4		14	25	6
441 135	1/8	3/8		15	26	6
322 540	1/4	3/8		15	27	
322 564	3/8	1/2		17	32	10
322 557	3/8	3/4		19	35	10
319 083	1/2	3/8		17	28	10
320 423	1/2	3/4		21	37	12
320 430	1/2	1		19	39	
650 889	1/2	1 1/4		31	52	
441 142	3/4	1/2		25	40	
335 311	3/4	1		23	42	
441 357	3/4	1 1/4		31	52	
650 841*	3/4	1 1/2		32	53	
359 348	1	1 1/4		27	48	
650 858	1	1 1/2		33	54	
650 872	1	2		34	60	
650 865	1 1/4	1 1/2		33	54	
448 097*	1/8	1/4	✓	14	25	6
448 103*	1/8	3/8	✓	15	26	6
448 110*	1/4	3/8	✓	15	27	
448 127	3/8	1/2	✓	17	32	10
448 134*	3/8	3/4	✓	19	35	10
448 141	1/2	3/8	✓	17	28	10
448 158	1/2	3/4	✓	21	37	12
448 165*	3/4	1/2	✓	25	40	
448 172	3/4	1	✓	23	42	

CP = chrome-plated

SS = spanner size

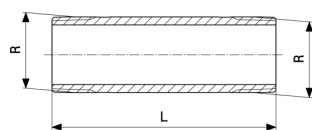
* = Discontinued, limited availability



Long nipple
- gunmetal or silicon bronze
Model 3530

Article	R	L
441 456	¼	40
441 463	¼	60
441 470	¼	80
441 555	¼	100
282 400	⅜	40
282 417	⅜	60
282 424	⅜	80
282 431	⅜	100
282 448	⅜	120
282 455*	⅜	150
282 462*	⅜	200
267 308	½	40
650 896	½	50
267 315	½	60
449 216	½	70
267 322	½	80
650 919	½	90
267 339	½	100
650 926	½	110
267 346	½	120
319 700	½	140
267 353	½	150
319 717	½	160
319 724	½	180
267 377	½	200
267 384	¾	40
650 933	¾	50
267 391	¾	60
650 940	¾	70
267 407	¾	80
650 957	¾	90

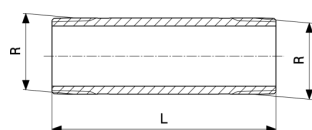
* = Discontinued, limited availability



Long nipple
- gunmetal or silicon bronze
Model 3530

Article	R	L
267 414	¾	100
650 964	¾	110
267 421	¾	120
318 413	¾	140
267 438	¾	150
318 420	¾	160
318 437	¾	180
267 445	¾	200
267 247	1	40
650 971	1	50
267 254	1	60
650 988	1	70
267 261	1	80
650 995	1	90
267 278	1	100
651 008	1	110
267 285	1	120
267 292	1	150
319 694	1	200
651 015	1¼	50
318 482	1¼	60
651 022*	1¼	70
318 499	1¼	80
651 039*	1¼	90
318 505	1¼	100
651 046*	1¼	110
318 512	1¼	120
318 529	1¼	150
318 536	1¼	200
651 053	1½	50
319 755	1½	60

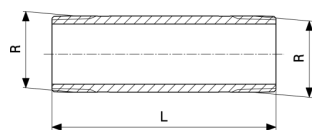
* = Discontinued, limited availability



Long nipple
- gunmetal or silicon bronze
Model 3530

Article	R	L
651 060*	1½	70
319 762	1½	80
651 077*	1½	90
319 779	1½	100
319 786	1½	120
319 748	1½	150
319 731	1½	200
651 084	2	50
319 847	2	60
651 091*	2	70
319 830	2	80
651 107*	2	90
319 823	2	100
319 816	2	120
319 809	2	150
319 793	2	200
447 465*	¾	40
447 472*	¾	60
447 489*	¾	80
447 496*	¾	100
447 526	½	40
447 533	½	60
447 540	½	80
447 557	½	100
447 564*	½	120
447 571*	½	150
447 588*	½	200
447 595	¾	40
447 601	¾	60
447 618	¾	80
447 625	¾	100

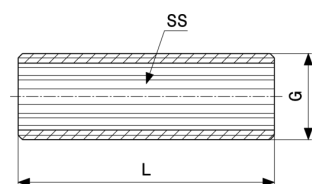
* = Discontinued, limited availability



Long nipple
- gunmetal or silicon bronze
Model 3530

Article	R	L
447 632*	$\frac{3}{4}$	120
447 649*	$\frac{3}{4}$	150
447 656*	$\frac{3}{4}$	200
447 663*	1	40
447 687*	1	80
447 694*	1	100
447 700*	1	120

* = Discontinued, limited availability

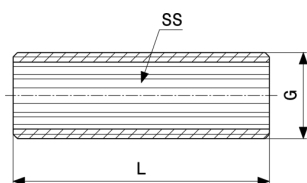


Long nipple
- gunmetal or silicon bronze
Model 3535

Article	G	L	SS
319 670	$\frac{3}{8}$	40	10
319 267	$\frac{3}{8}$	60	10
319 335	$\frac{3}{8}$	80	10
319 281	$\frac{3}{8}$	100	10
319 687*	$\frac{3}{8}$	120	10
319 274	$\frac{1}{2}$	40	12
319 366	$\frac{1}{2}$	60	12
319 359	$\frac{1}{2}$	80	12
319 342	$\frac{1}{2}$	100	12
319 656*	$\frac{1}{2}$	120	12
319 328	$\frac{3}{4}$	40	17
319 298	$\frac{3}{4}$	60	17
319 304	$\frac{3}{4}$	80	17
319 311	$\frac{3}{4}$	100	17
319 663*	$\frac{3}{4}$	120	17

SS = spanner size

* = Discontinued, limited availability

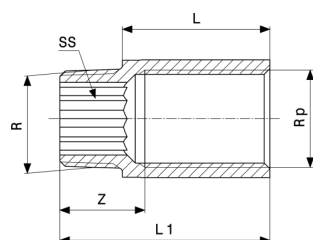


Long nipple
- gunmetal or silicon bronze
Model 3535

Article	G	L	SS
319 250	1	40	22
319 243	1	60	22
319 236	1	80	22
319 229	1	100	22
319 649*	1	120	22

SS = spanner size

* = Discontinued, limited availability



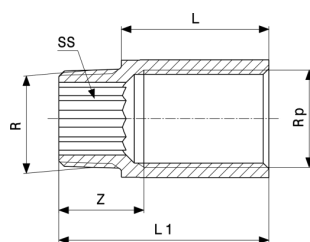
Extension
- gunmetal or silicon bronze
Model 3525

Article	R	Rp	L	RpS	Z	L1	SS
440 312¹	¾	¾	10		16	22	10
354 923	¾	¾	15		16	27	10
354 930	¾	¾	20		18	32	10
354 947	¾	¾	25		18	37	10
354 954	¾	¾	30		18	42	10
359 539	¾	¾	40		17	52	10
359 553	¾	¾	50	✓	17	62	10
364 854¹	½	½	12.5		19	28	12
651 121¹	½	½	15		19	31	12
354 961	½	½	17.5		18	33	12
354 978	½	½	20		21	36	12
354 985	½	½	25		22	41	12
354 992	½	½	30		22	46	12
355 005	½	½	40		22	56	12

RpS = Rp-thread can be shortened

SS = spanner size

¹⁾ without DVGW test mark



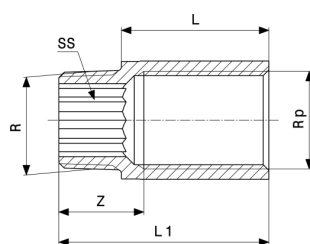
Extension
- gunmetal or silicon bronze
Model 3525

Article	R	Rp	L	RpS	Z	L1	SS
355 012	½	½	50	✓	21	66	12
357 221	½	½	65	✓	21	81	12
357 238	½	½	80	✓	29	96	12
357 245	½	½	100	✓	61	116	12
440 299	½	½	120		71	136	12
440 305	½	½	150		101	166	12
440 558 ¹	¾	¾	12.5		21	30	17
364 861 ¹	¾	¾	15		20	32	17
355 029	¾	¾	20		21	37	17
355 036	¾	¾	25		26	42	17
355 043	¾	¾	30		23	47	17
355 050	¾	¾	40		23	57	17
357 252	¾	¾	50	✓	22	67	17
357 269	¾	¾	65	✓	22	82	17
359 584	¾	¾	80	✓	37	97	17
359 577	¾	¾	100	✓	62	117	17
440 572 ¹	1	1	15		25	35	22
440 589 ¹	1	1	20		25	40	22
357 184	1	1	25		25	45	22
357 191	1	1	30		30	50	22
357 207	1	1	40		23	60	22
357 214	1	1	50		25	70	22
440 596	1	1	65		25	85	22
440 466	1	1	80		40	100	22
440 473	1	1	100		55	120	22
440 497 ¹	1¼	1¼	20		27	42	27
440 503	1¼	1¼	25		27	47	27
440 510	1¼	1¼	30		27	52	27

RpS = Rp-thread can be shortened

SS = spanner size

¹⁾ without DVGW test mark



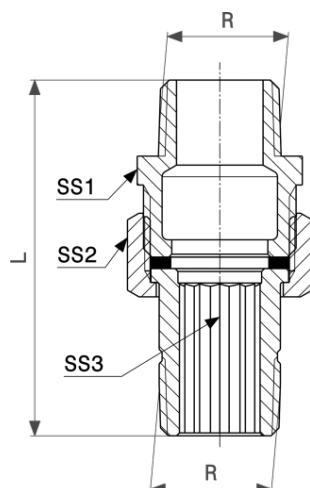
Extension
- gunmetal or silicon bronze
Model 3525

Article	R	Rp	L	RpS	Z	L1	SS
440 527	1¼	1¼	40		41	62	27
440 534	1¼	1¼	50		51	72	27

RpS = Rp-thread can be shortened

SS = spanner size

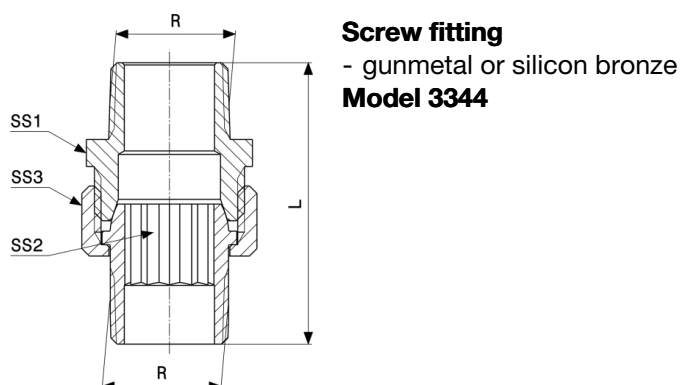
1) without DVGW test mark



Screw fitting
- gunmetal or silicon bronze
Model 3334

Article	R	L	SS1	SS2	SS3
320 188	¾	51	27	23	
320 195	½	62	27	29	12
320 201	¾	68	34	36	17
320 218	1	74	44	46	22

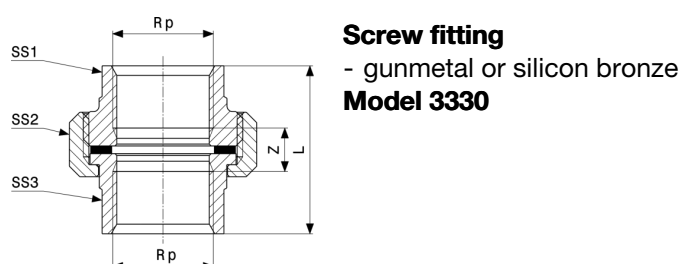
SS = spanner size



Article	R	L	SS1	SS2	SS3
446 871*	⅜	46	22	23	8
446 888	½	55	27	29	12
446 895	¾	62	34	36	17
446 901	1	69	44	46	22

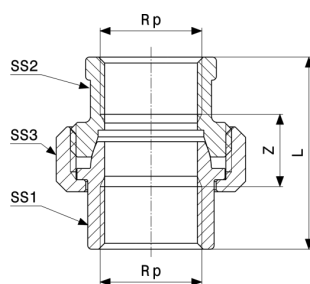
SS = spanner size

* = Discontinued, limited availability



Article	Rp	Z	L	SS1	SS2	SS3
441 432	¼	13	35	20	29	20
282 363	⅜	12	35	20	29	21
271 022	½	11	41	25	36	25
271 039	¾	11	44	32	46	32
271 046	1	13	51	39	52	39
271 053	1¼	13	56	48	65	47
271 060	1½	15	58	53	75	55
271 077	2	13	64	66	80	66
651 138	2½	11	71	83	110	83
651 145	3	5	71	98	130	98

SS = spanner size

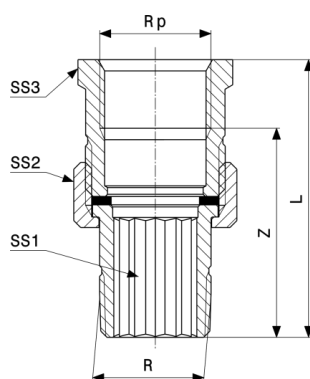


Screw fitting
- gunmetal or silicon bronze
Model 3340

Article	Rp	Z	L	SS1	SS2	SS3
449 414*	¼	16	38			23
446 925*	⅜	17	40			29
446 932	½	17	47			36
446 949	¾	17	50			46
446 956	1	21	60	37	37	52
446 963	1¼	22	65	47	47	65
446 970	1½	25	68	55	55	75
446 987	2	23	74	66	68	80

SS = spanner size

* = Discontinued, limited availability

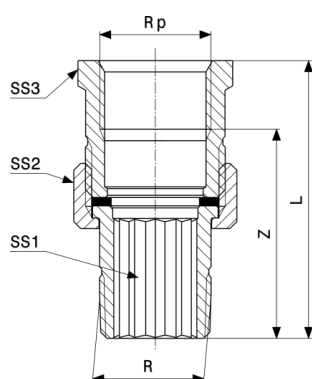


Screw fitting
- gunmetal or silicon bronze
Model 3331

Article	R	Rp	Z	L	SS1	SS2	SS3
282 370	⅜	⅜	38	50	13	23	22
271 374	½	½	45	60	12	29	27
271 367	¾	¾	50	66	17	36	34
271 350	1	1	52	72	22	46	44
271 343	1¼	1¼	60	81	38	52	50
271 336	1½	1½	62	84	43	59	56
271 329	2	2	58	84	58	75	67

SS = spanner size

* = Discontinued, limited availability

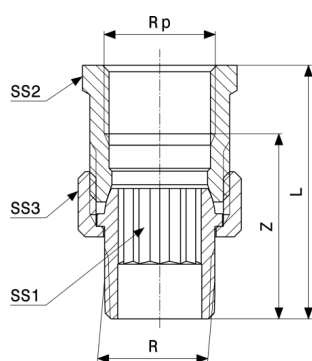


Screw fitting
- gunmetal or silicon bronze
Model 3331

Article	R	Rp	Z	L	SS1	SS2	SS3
651 152	2½	2½	66	88	83	95	71
651 169*	3	3	80	101	83	110	97

SS = spanner size

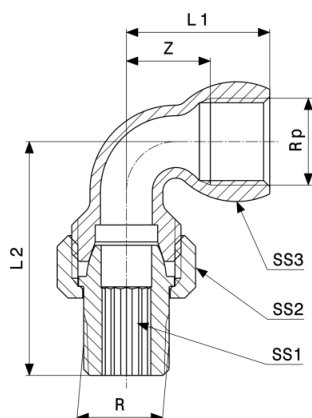
* = Discontinued, limited availability



Screw fitting
- gunmetal or silicon bronze
Model 3341

Article	R	Rp	Z	L	SS1	SS2	SS3
446 994	¾	¾	33	45	8	22	23
447 007	½	½	41	56	12	27	29
447 014	¾	¾	44	60	17	34	36
447 021	1	1	45	64	22	44	46
447 038	1¼	1¼	51	72		50	52
447 045	1½	1½	52	73		55	59
447 052	2	2	53	78		70	75

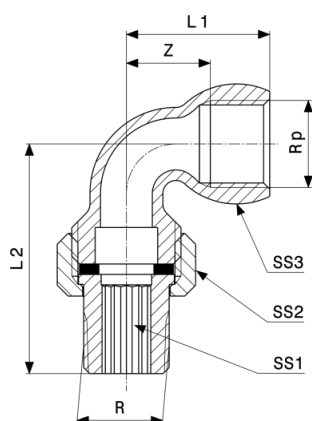
SS = spanner size



Screw fitting
- gunmetal or silicon bronze
Model 3098

Article	R	Rp	Z	L1	L2	SS1	SS2	SS3
148 041	3/8	3/8	16	28	45	8	23	22
145 804	1/2	1/2	18	33	51	12	29	28

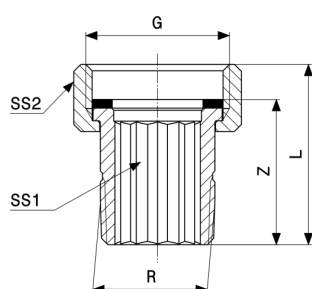
SS = spanner size



Screw fitting
- gunmetal or silicon bronze
Model 3088

Article	R	Rp	Z	L1	L2	SS1	SS2	SS3
348 663	1/2	1/2	17	28	58	12	28	29
348 670	3/4	3/4	23	39	65	17	33	36
348 687	1	1	28	47	78	22	39	46
348 694	1 1/4	1 1/4	35	57	83	38	47	52
348 700	1 1/2	1 1/2	38	59	95	43	55	59
348 717	2	2	43	69	112	58	69	75

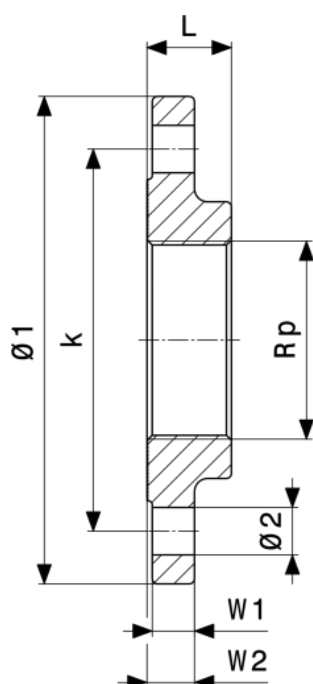
SS = spanner size



Connection screw fitting
- gunmetal or silicon bronze
Model 3335

Article	R	Z	L	SS1	SS2	G
320 225	$\frac{3}{8}$	27	32	8	23	$\frac{1}{2}$
320 232	$\frac{1}{2}$	31	39	22	29	$\frac{3}{4}$
320 249	$\frac{3}{4}$	34	42	17	36	1
320 256	1	38	46	22	46	$1\frac{1}{4}$
319 618	$1\frac{1}{4}$	43	52	38	52	$1\frac{1}{2}$
319 625	$1\frac{1}{2}$	46	56	43	59	$1\frac{3}{4}$
319 632	2	52	62	58	75	$2\frac{3}{8}$

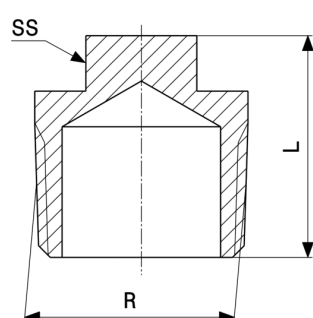
SS = spanner size



Sanpress XL Flange
- gunmetal or silicon bronze
Model 2259.2XL

Article	DN	Rp	Ø1	L	W1	W2	Ø2	k	n
641 597	65	2½	185	32	16	18	18	145	8
641 603	80	3	200	34	18	20	18	160	8
641 610	100	4	220	38	18	20	18	180	8

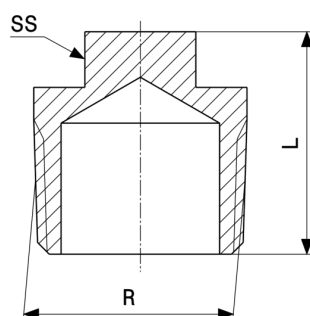
Ø = diameter
k = bolt circle diameter
n = number of holes



Plug
- gunmetal or silicon bronze
Model 3291

Article	R	L	SS
320 072	¼	19	8
281 847	⅜	20	10
266 646	½	26	12
266 639	¾	28	14
266 622	1	32	14

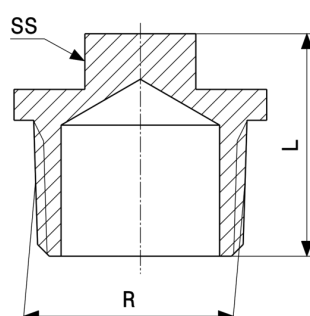
SS = spanner size



Plug
- gunmetal or silicon bronze
Model 3291

Article	R	L	SS
268 237	1¼	38	21
268 190	1½	38	22
268 213	2	42	26
321 758	2½	47	30

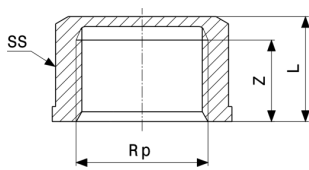
SS = spanner size



Plug
- gunmetal or silicon bronze
Model 3290

Article	R	L	SS
441 425	⅛	17	8
320 133	¼	20	8
320 096	⅜	20	10
320 102	½	24	12
320 089	¾	26	14
320 294	1	32	14
322 175	1¼	38	21
322 168	1½	38	32
322 151	2	42	26

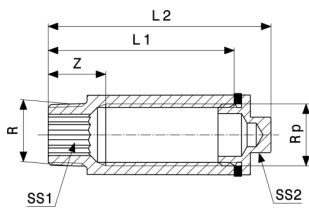
SS = spanner size



Cap
- gunmetal or silicon bronze
Model 3301

Article	Rp	Z	L	SS
319 151	¼	8	12	20
281 854	⅜	11	16	22
266 660	½	15	20	24
266 653	¾	16	21	30
268 367	1	19	29	38
268 305	1¼	21	30	47
268 329	1½	21	30	53
268 343	2	26	34	65

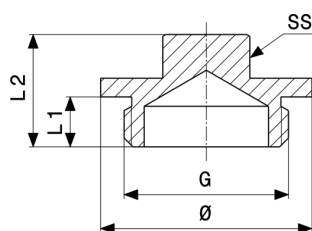
SS = spanner size



Tap extension
- gunmetal or silicon bronze
Model 3527

Article	R	Rp	L	RpS	Z	L1	L2	SS1	SS2
320 263	½	½	50	✓	18	63	76	12	12

RpS = Rp-thread can be shortened
SS = spanner size



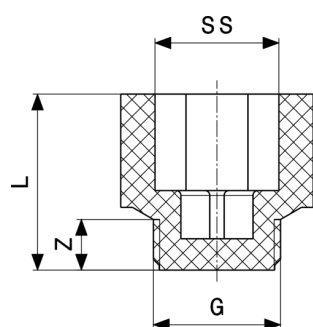
Plug
- brass
Model 1751

Article	G	L1	L2	SS	Ø
106 676	1/8	6	13	9	13
102 173	1/4	7	13	9	16
101 756	3/8	8	16	12	21
100 797	1/2	8	18	12	27
101 626	3/4	8	18	14	34
102 883	1	9	18	17	41
106 584	1 1/2	13	24	22	60
155 735*	1/8	6	13	9	13
137 649*	1/4	7	13	9	16
108 472	3/8	8	16	12	21
105 099	1/2	8	18	12	27
113 797	3/4	8	18	14	34
124 465*	1	9	18	17	41

SS = spanner size

Ø = diameter

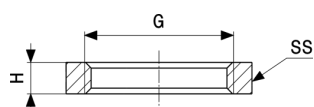
* = Discontinued, limited availability



Pressure test plug
- plastic
Model 1516.512

Article	G	Z	L	SS
105 419	1/2	11	37	22

SS = spanner size

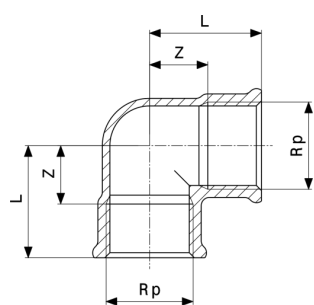


Hexagonal nut
- brass
Model 1911

Article	G	H	SS
117 290	$\frac{1}{8}$	5	19
109 264	$\frac{1}{4}$	5	22
104 696	$\frac{3}{8}$	5	25
102 241	$\frac{1}{2}$	6	28
103 347	$\frac{3}{4}$	6	33
106 195	1	6	41
113 391	$1\frac{1}{4}$	6	51
120 115	$1\frac{1}{2}$	6	58
128 302	2	6	70
140 083*	$\frac{1}{4}$	5	22
108 144	$\frac{3}{8}$	5	25
108 670	$\frac{1}{2}$	6	28

SS = spanner size

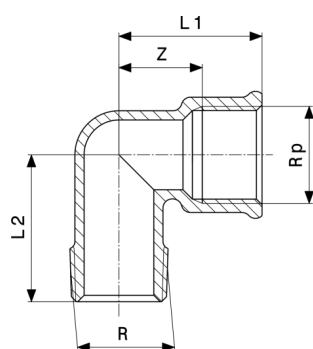
* = Discontinued, limited availability



Elbow 90°
- brass
Model 1612

Article	Rp	Z	L
112 639	$\frac{3}{8}$	10	22
105 600	$\frac{1}{2}$	15	30
112 141	$\frac{3}{4}$	18	34
124 397*	1	20	39

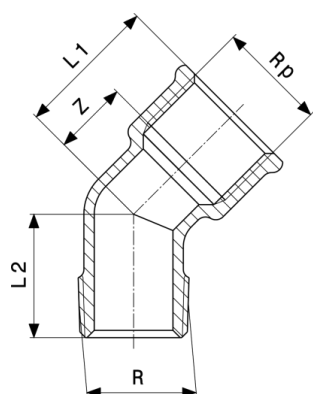
* = Discontinued, limited availability



Elbow 90°
- brass
Model 1613

Article	R	Rp	Z	L1	L2
135 935	¼	¼	15	26	26
106 645	⅜	⅜	17	29	32
102 586	½	½	20	35	34
107 758	¾	¾	23	39	40
121 457*	1	1	27	46	45

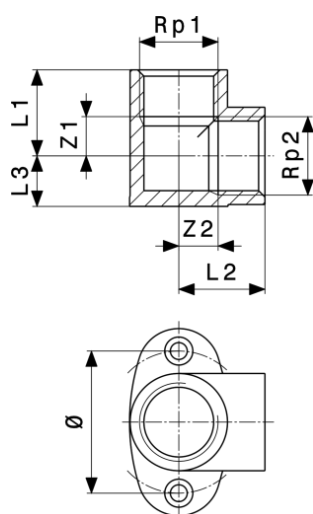
* = Discontinued, limited availability



Elbow 45°
- brass
Model 1615

Article	R	Rp	Z	L1	L2
139 001*	⅜	⅜	9	21	23
115 555	½	½	8	23	31

* = Discontinued, limited availability

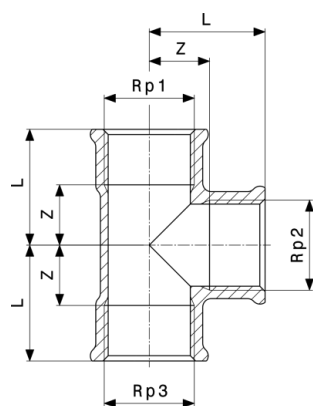


Wall plate
- brass
Model 1421

Article	Rp1	Rp2	Z1	Z2	L1	L2	L3	Ø
109 158	½	½	8	8	20	20	14	38
113 209*	½	¾	14	14	27	27	17	43
127 800	¾	¾	8	8	20	20	14	38

Ø = diameter

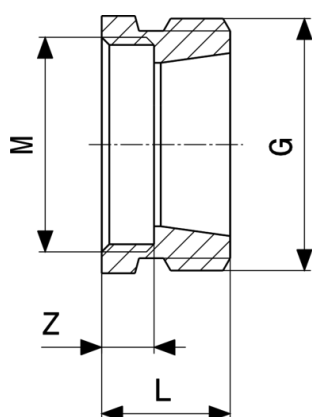
* = Discontinued, limited availability



T-piece
- brass
Model 1622

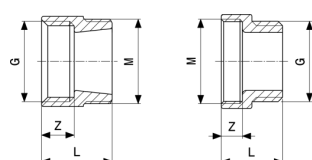
Article	Rp1	Rp2	Rp3	Z	L
114 275	¾	¾	¾	10	22
105 525	½	½	½	15	30
111 762	¾	¾	¾	18	34
130 190*	1	1	1	20	39

* = Discontinued, limited availability



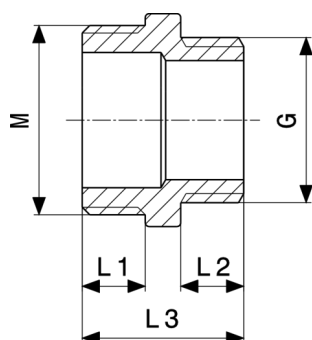
Adapter nipple
- gunmetal or silicon bronze
Model 3251

Article	G	M	Z	L
448 295	$\frac{3}{4}a$	22x1i	6	14



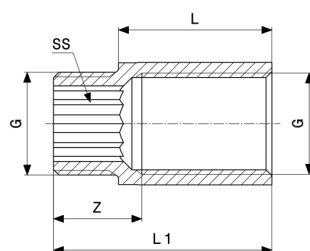
Adapter nipple
- gunmetal or silicon bronze
Model 3252

Article	G	M	Z	L
448 318	$\frac{1}{2}a$	22x1i	6	18
448 332	$\frac{1}{2}i$	22x1a	9	18
448 325	$\frac{3}{4}i$	22x1a	10	20



Adapter nipple
- gunmetal or silicon bronze
Model 3253

Article	G	M	L1	L2	L3
448 356	$\frac{1}{2}a$	24x1a	8	8	21
448 349	$\frac{3}{4}a$	24x1a	8	9	22



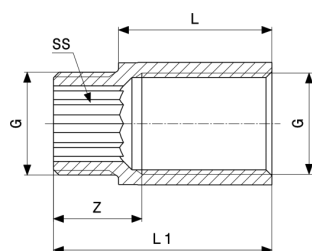
Tap extension
- gunmetal or silicon bronze
Model 3526

Article	G	L	Z	L1	SS
448 769	3/8	10	13	20	10
447 076 ¹	3/8	15	15	25	10
447 083 ¹	3/8	20	18	30	10
447 090 ¹	3/8	25	23	35	10
447 106 ¹	3/8	30	28	40	10
447 113 ¹	3/8	40	38	50	10
447 120 ¹	3/8	50	16	60	10
447 151 ¹	1/2	10	14	21	12
447 168 ¹	1/2	15	16	26	12
447 175 ¹	1/2	20	18	31	12
447 182 ¹	1/2	25	17	36	12
447 199 ¹	1/2	30	18	41	12
447 205 ¹	1/2	40	18	51	12
447 212 ¹	1/2	50	18	61	12
447 229 ¹	1/2	65	18	76	12
447 236 ¹	1/2	80	24	91	12
447 243 ¹	1/2	100	56	111	12
447 274 ¹	3/4	10	15	22	17
447 281 ¹	3/4	15	17	27	17
447 298 ¹	3/4	20	17	32	17
447 304 ¹	3/4	25	19	37	17
447 311 ¹	3/4	30	19	42	17
447 328 ¹	3/4	40	19	52	17
447 342 ¹	3/4	65	18	77	17
447 359 ¹	3/4	80	19	92	17
447 366 ¹	3/4	100	20	112	17
447 380*	1	20	20	34	17

SS = spanner size

¹⁾ long female thread

* = Discontinued, limited availability



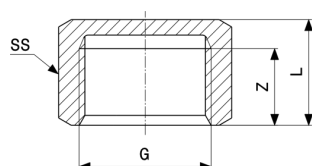
Tap extension
- gunmetal or silicon bronze
Model 3526

Article	G	L	Z	L1	SS
447 403*	1	30	22	44	17

SS = spanner size

¹⁾ long female thread

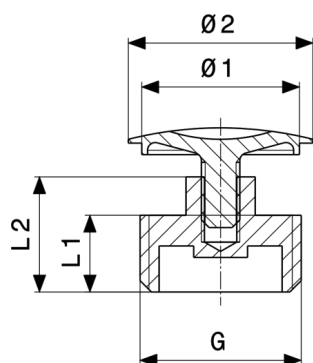
* = Discontinued, limited availability



Cap
- brass
Model 1761

Article	G	Z	L	SS
107 741	$\frac{3}{8}$	7	10	19
107 734	$\frac{1}{2}$	8	12	23
106 782	$\frac{3}{4}$	10	16	30
120 092	1	11	16	37

SS = spanner size

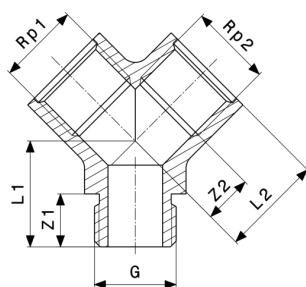


Plug
- brass
Model 1752

Article	G	L1	L2	Ø1	Ø2
110 123*	$\frac{3}{8}$	10	15	21	24
102 814	$\frac{1}{2}$	10	15	21	24
112 592*	$\frac{3}{4}$	15	22	21	24

Ø = diameter

* = Discontinued, limited availability

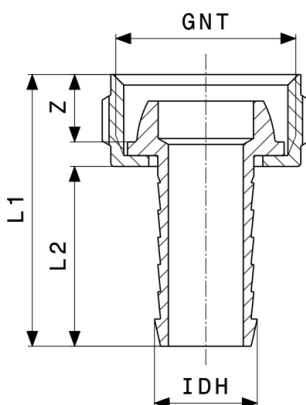


Double connection piece

- brass

Model 1641

Article	Rp1	G	Rp2	Z1	Z2	L1	L2
106 881	½	½	½	14	13	27	26



Hose screw fitting

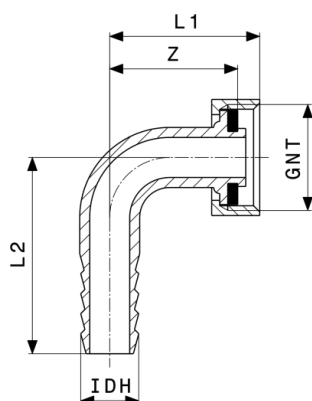
- brass

Model 1812

Article	IDH	G	Z	L1	L2
117 696*	½	¾	10	40	26
129 323	¾	½	9	39	27
109 073	½	¾	10	40	26
111 793	¾	1	12	52	36

IDH = for ID hose

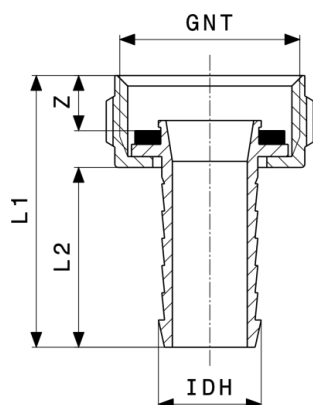
* = Discontinued, limited availability



Hose screw fitting
- brass
Model 1813

Article	IDH	G	Z	L1	L2
107 949	½	¾	32	38	49
126 360	¾	1	40	47	58

IDH = for ID hose

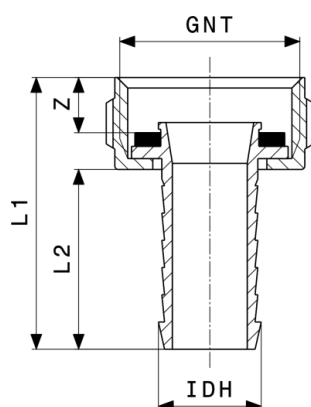


Hose screw fitting
- brass
Model 1817

Article	IDH	G	Z	L1	L2
121 723*	½	½	6	41	29
131 807*	¾	¾	7	51	37
111 717	½	½	6	41	29
114 008	¾	¾	7	51	37
124 694	1	1	8	52	37

IDH = for ID hose

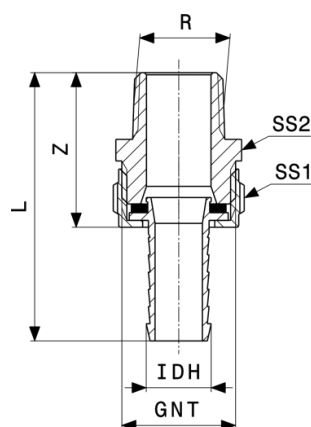
* = Discontinued, limited availability



Hose screw fitting
- brass
Model 1819

Article	IDH	M	Z	L1	L2
106 843	½	22x1a	3	36	28

IDH = for ID hose



Standpipe screw fitting
- brass
Model 1831

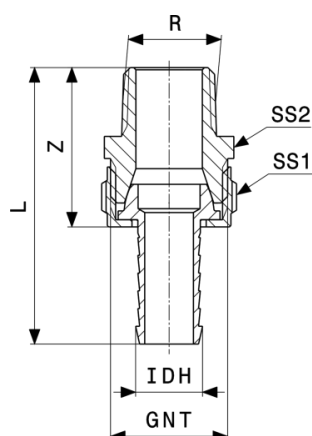
Article	R	IDH	G	Z	L	SS1	SS2
124 878	¾	¾	½	32	59		22
105 648	½	½	¾	36	62		27
109 707¹	¾	¾	1	42	76		34
112 318¹	1	1	1¼	47	77	46	44
123 642^{*1}	1¼	1¼	1½	54	101	52	50
128 739^{*1}	1½	1½	1¾	57	108	55	59
138 653^{*1}	2	2	2¾	66	118	75	71

IDH = for ID hose

SS = spanner size

¹⁾ multi-sided nut

* = Discontinued, limited availability



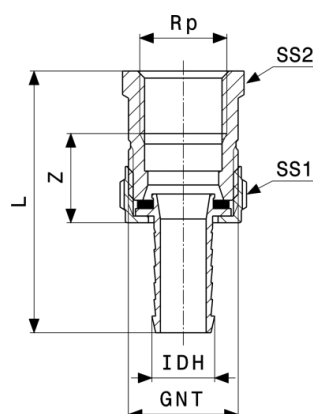
Standpipe screw fitting
- brass
Model 1832

Article	R	IDH	G	Z	L	SS1	SS2
122 416	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	30	57		22
104 498	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	36	63		27
108 816	$\frac{3}{4}$	$\frac{3}{4}$	1	41	77		34
110 734¹	1	1	$1\frac{1}{4}$	47	83	46	44
119 454¹	$1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	53	100	52	50
125 219¹	$1\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{3}{4}$	58	110	59	55
131 432¹	2	2	$2\frac{3}{8}$	68	120	75	71

IDH = for ID hose

SS = spanner size

¹⁾ multi-sided nut



Standpipe screw fitting
Model 1841

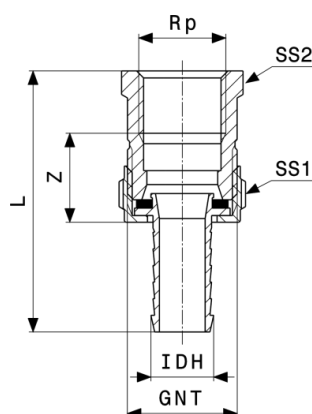
Article	Rp	IDH	G	Z	L	SS1	SS2
145 026*	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{2}$	18	57		22
119 690*	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	21	63		27
126 568¹	$\frac{3}{4}$	$\frac{3}{4}$	1	23	74		34

IDH = for ID hose

SS = spanner size

¹⁾ multi-sided nut

* = Discontinued, limited availability



**Standpipe screw fitting
Model 1841**

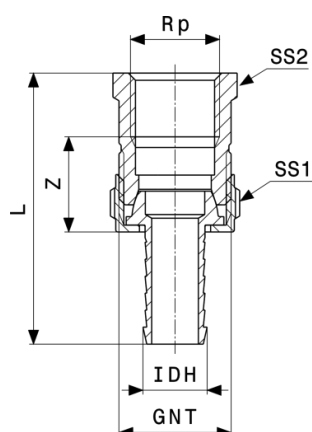
Article	Rp	IDH	G	Z	L	SS1	SS2
150 761¹	1 ¼	1 ¼	1 ½	26	95	52	50

IDH = for ID hose

SS = spanner size

¹⁾ multi-sided nut

* = Discontinued, limited availability



**Standpipe screw fitting
- brass
Model 1842**

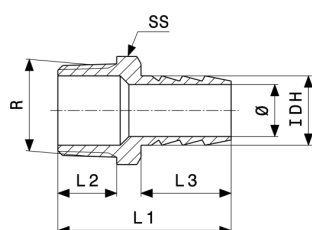
Article	Rp	IDH	G	Z	L	SS1	SS2
145 699	¾	¾	½	17	55		22
121 013	½	½	¾	22	64		27
125 646¹	¾	¾	1	23	75		34
127 916¹	1	1	1 ¼	23	77	46	44
151 232¹	1 ¼	1 ¼	1 ½	26	94	52	50
154 325¹	1 ½	1 ½	1 ¾	26	98	59	55

IDH = for ID hose

SS = spanner size

¹⁾ multi-sided nut

* = Discontinued, limited availability



Hose connector
- brass
Model 1845

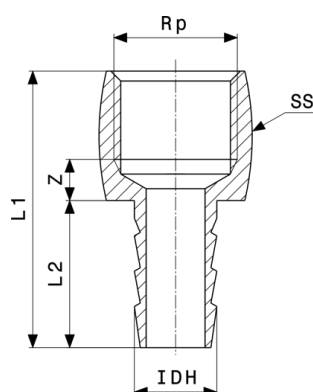
Article	R	IDH	L1	L2	L3	Ø
140 540*	¼	¼	35	8	25	8
131 067*¹	⅜	⅜	37	12	21	12
120 702¹	½	½	47	16	25	14
137 212¹	¾	¾	50	17	26	20
112 097	⅝	⅝	35	8	21	8
110 598	¼	¼	35	8	25	8
105 112¹	⅜	⅜	37	12	21	12
101 442	½	½	47	16	25	14
102 548¹	¾	¾	50	17	26	20
104 467¹	1	1	57	20	30	27

IDH = for ID hose

Ø = diameter

¹⁾ with polygon

* = Discontinued, limited availability



Hose connector
- brass
Model 1846

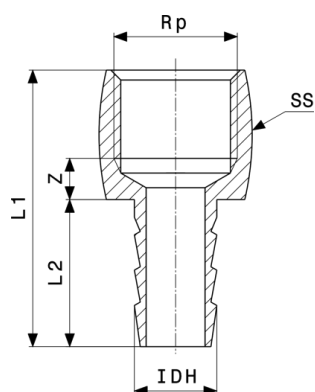
Article	Rp	IDH	Z	L1	L2	SS
125 431*	¼	¼	4	40	25	
135 393*¹	⅜	⅜	6	39	21	20
136 185¹	½	½	7	47	25	24
145 781¹	¾	¾	8	50	26	30

IDH = for ID hose

SS = spanner size

¹⁾ with polygon

* = Discontinued, limited availability



Hose connector
- brass
Model 1846

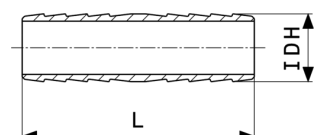
Article	Rp	IDH	Z	L1	L2	SS
129 606	1/8	1/8	3	36	25	
130 084	1/4	1/4	4	40	25	
112 479¹	3/8	3/8	6	39	21	20
105 679	1/2	1/2	7	47	25	24
111 106¹	3/4	3/4	8	50	26	30
118 105¹	1	1	8	58	30	37

IDH = for ID hose

SS = spanner size

¹⁾ with polygon

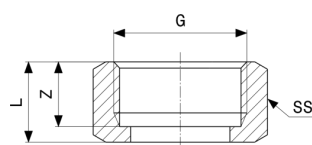
* = Discontinued, limited availability



Hose connector
- brass
Model 1852

Article	IDH	L
124 007	3/8	52
110 925	1/2	48
108 632	3/4	55
130 701	1	62

IDH = for ID hose



Union nut
- brass
Model 1121-654

Article	G	d	Z	L	SS
110 208	½	16.7	10	12	23
107 895	¾	22	12	15	29
105 709	1	26.8	13	16	36
103 811	1¼	33.8	14	17	46
115 531	1½	42.4	15	18	52
119 492	2	50.5	19	22	65

SS = spanner size

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Астрахань (8512)99-46-04
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Омск (3812)21-46-40
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Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
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Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
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